

Receiving Report

Date: 12/5/23

Batch No: M121836

Supplier: THYSON

Dart P/O: 16998

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection OK 12/05/24 N/A ☐
 Work Order N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M20247	35.080	144	0	0	144	
M3045	16GA	128	0	0	128	
M3045	22GA	128	0	0	128	

Initials of receiver (if shipment OK) Level 12

Production/Admin:
 Date
 Received/Costing
 Initial

Location

Purchase Order Receipt Listing

Wednesday, May 23, 2012 10:37:20 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16995 Receipt Dates from 5/23/2012 to 5/23/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO16995	2		M6061T6B0.250X02.f		5/23/2012	5/23/2012	12.0000	\$2.11	0.0000	0	\$25.30
			000								
			6061-T6 Bar 250 X .f		12.0000	DES102		\$25.30	0.0000	0	
			2.00								
			121836								
	3		M6061T6B0.250X06.f		5/23/2012	5/23/2012	12.0000	\$3.75	0.0000	0	\$44.94
			000								
			6061-T6 Bar 250 x .f		12.0000	DES102		\$44.94	0.0000	0	
			6.00								
			121836								
	4		M6061T6B0.375X01.f		5/23/2012	5/23/2012	36.0000	\$0.94	0.0000	0	\$34.01
			000								
			6061T6 BAR 375 x .f		36.0000	DES102		\$34.01	0.0000	0	
			1.00								
			121836								
	5		M6061T6B0.500X10.f		5/23/2012	5/23/2012	24.1000	\$12.13	0.0000	0	\$292.24
			000								
			6061-T6 Bar 500 x .f		24.0000	DES102		\$292.24	0.0000	0	
			10.00								
			121836								
	6		M6061T6B0.750X00.f		5/23/2012	5/23/2012	24.0000	\$1.42	0.0000	0	\$34.01
			750								
			6061-T6 Bar 750 x .f		24.0000	DES102		\$34.01	0.0000	0	
			750								
			121836								
	7		M6061T6B1.000X04.f		5/23/2012	5/23/2012	12.0000	\$9.53	0.0000	0	\$114.42
			000								
			6061-T6 Bar 1.00 x .f		12.0000	DES102		\$114.42	0.0000	0	
			4.00								
			121836								

B I L L O F L A D I N G

No: PEC 768051

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship Date 18May12 at 12:22 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-451877- 6 Your PO # 16995
 ALUMINUM FLAT BAR 6061-T6511
 1.00" x 4.00" X 144.0000"

Heat Number
 Z00217036

Tag No
 68356

Quantity
 12 FT

PCS
 1

Wt LBS
 56

MTR

7) Our Order PEC-451877- 7 Your PO # 16995
 ALUMINUM ROUND BAR 6061-T6511
 3.00" DIA X 96.0000"

Heat Number
 Z00067065

Tag No
 68473

Quantity
 8 FT

PCS
 1

Wt LBS
 67

MTR

8) Our Order PEC-451877- 8 Your PO # 16995
 STAINLESS STEEL SHEET 304-2B
 .0600 Nom X 48.0000" X 96.0000"

Heat Number
 300212

Tag No
 68103

Quantity
 128.00 SFT

PCS
 4

Wt LBS
 321

MTR

9) Our Order PEC-451877- 9 Your PO # 16995
 STAINLESS STEEL SHEET 304-2B
 .0300 Nom X 48.0000" X 120.0000"

Heat Number
 YU161154

Tag No
 68104

Quantity
 160.00 SFT

PCS
 4

Wt LBS
 200

MTR

TOTAL:

Tags
 9

PCS
 19

LBS
 849

Heat Number
 16276
 201204762
 2BQ819
 300212
 65016 079
 YU161154

*** Chemical Analysis ***

10/01/23

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

23 MAI 2012

DATE

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
 TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

No: PEC 768051

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship Date 18May12 at 12:22 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

Z00067065
Z00217036

ADD ON TO 451875 SUR-CHARGE PAID

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 1 PKG, 1 SKID G.W. 953 LBS

ITEMS (1 TO 6) BDL
ITEM (7) PKG
ITEMS (8,9) SKID

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

23 MAY 2012

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TUC/EST# 140223034 T0001 TPC/EST TVH/HST # 140223034 RT0001

DATE

THYSSENKRUPP MATERIALS NA

PO/Ref 16995

Certificate of Mill Test Results

BL PEC-768051-001

18 May 12
Pg 1/1

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

250" x 2.00" x 144.0000"

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>



MILL TEST REPORT

BILL TO: THYSSENKRUPP MATERIALS, NA
SHIP TO: THYSSENKRUPP MATERIALS, NA
SO DESCRIPTION: 250"x2" FB
CART CODE: 1
CUSTOMER PO: PEC-237301
CUSTOMER PART NUMBER: 1-250-2000
DIE NUMBER: 0.95
DATE OF SHIPMENT: 3/16/2012
EXTRUDEX ORDER NO.: 143141
MANIFEST NO.: 262756
ALLOY: 6061
TEMPER: T6511
SALESMAN: FORBES DODWELL
PART DESCRIPTION: MADE IN CANADA
CERTIFICATION: MILL TEST ASTM B221

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/15/12	42.7	38.9	18.50	89.3, 89.4, 89.6	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
16276 6061	0.56	0.19	0.19	0.06	0.82	0.05	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

OK
12/05/26

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.250" x 6.00" X 144.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-002

18May12

Signed by: _____ Pg 1/1

KAISER
ALUMINUM
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Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-238315-2		CUSTOMER PART NUMBER: ALREC00892		PRODUCT DESCRIPTION: .250 X 6.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 618123	LINE ITEM: 002	SHIP DATE: 04/13/2012	KAISER LOT NUMBER: 65016 079	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 48.000 PCS	B/L NUMBER: 603156	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
65016 079	0001	0C01	49.1	43.7	17.7	RE 95	N/A	N/A
65016 079	0001	0C02	49.4	43.8	19.1	RE 97	N/A	N/A
65016 079	0001	0C03	49.5	44.3	18.4	RE 96	N/A	N/A
65016 079	0001	0C04	49.5	44.4	18.3	RE 96	N/A	N/A
65016 079	0001	0C05	49.8	44.3	18.3	RE 96	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE, CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

12/05/26

Plant Serial: 00039148
Kaiser Order Number: 618123
Line Item: 002

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
3.75" x 1.00" x 144.0000"
PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by: _____

BL PEC-768051-003

18 May 12
Pg 1/1

Certificate of Mill Test Results



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

MILL TEST REPORT

BILL TO: THYSSENKRUPP MATERIALS, NA
SHIP TO: THYSSENKRUPP MATERIALS, NA
SO DESCRIPTION: 375"x1" FB
CWT Code: 1
CUSTOMER PO: PEC-237301
CUSTOMER PART NUMBER: 1-375-1000
DIE NUMBER: 0.86 S 2222
DATE OF SHIPMENT: 3/20/2012
ALLOY: 6061 T6511
SALESMAN: FORBES DODWELL
PART DESCRIPTION:
CERTIFICATION: MILL TEST ASTM B221
EXTRUDEX ORDER NO. 143141 — 7
MANIFEST NO. 262915
MADE IN CANADA

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Mar/16/12	42.6	39.1	17.30	88.3, 87.9, 88.0	

Chemical Composition

Cast Number	SI	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 28Q819 6061	0.64	0.16	0.21	0.03	0.88	0.07	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

and
12/10/12

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLT BAR ECONOPLT 6061-T6511
500" X 10.00" X 144.5000"
PART NO.

PO/Rel 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-768051-004

18 May 12
Pg 1/1

Certificate of Mill Test Results



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
147904	2

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	156448	PL0734	4/11/2012	ASTM-B221-08 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SALES PERSON	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-237895	6061-T6511E	David Schroeder	AMS-QQA-200/8
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION		
1,982 lbs	PL0734 X 144.5	PL .500 X 10.00		

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

Mechanical Properties

Tests	Lot No.	Last Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201205804	04/01/12	44.9	42.2	14.5

12/05/12

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Total	Melted In
0312179	6061	0.70	0.29	0.33	0.09	0.87	0.09	0.04	0.02	0.05	0.15	United States of America

Print Date: 4/11/2012

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6S11
750" X 144.000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results

BL PEC-768051-005

18May12
Pg 1/1



SERVICE CENTER METALS
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
146731	13

BILL TO	MANIFEST NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	155267	3/27/2012	ASTM-B221-08 StencilContinuous
SHIP TO	CUSTOMER PO	ALLOY/TEMPER	SPECIFICATION
ThyssenKrupp Materials NA PEC	PEC-237623	6061-T6S11	AMS-QQA-200/8
Quantity Certified	CUSTOMER PART NUMBER	DESCRIPTION	
666 lbs	SC0039	SCSB .750	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6S11 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
1	201204762	03/19/12	45.0	41.9	11.4

12/05/26

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Total	Melted In
030423	6061	0.76	0.37	0.32	0.11	0.88	0.10	0.06	0.02	0.05	0.15	United States of America

Print Date: 3/27/2012

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 8/23/11-LMS

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-006

18May12

Signed by: _____ Pg 1/2

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CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-238315-5		CUSTOMER PART NUMBER: ALREC00750		PRODUCT DESCRIPTION: 1.000 X 4.000 SC RECT BAR	
KAISER ORDER NUMBER: 618123	LINE ITEM: 005	SHIP DATE: 04/13/2012	KAISER LOT NUMBER: Z00217036	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 2032.000 LB	QUANTITY: 36.000 PCS	B/L NUMBER: 603156	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00217036	0001	1	50.6	46.8	17.1	RE 94	N/A	N/A
Z00217036	0001	2	51.6	48.3	17.1	RE 91	N/A	N/A
Z00217036	0001	3	55.5	52.1	16.3	RE 94	N/A	N/A
Z00217036	0001	4	54.7	51.6	14.9	RE 94	N/A	N/A
Z00217036	0001	5	52.6	59.5	17.1	RE 94	N/A	N/A
Z00217036	0002	1	50.5	47.0	12.9	RE 95	N/A	N/A
Z00217036	0002	2	49.0	46.1	11.8	RE 93	N/A	N/A
Z00217036	0002	3	51.9	48.6	18.1	RE 91	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101497	.76	.34	.29	.09	.93	.09	.04	.03	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

only 12/05/26

Plant Serial: 00039151

Kaiser Order Number: 618123

Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 4.00" X 144.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-006

18May12

Signed by: _____ Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Yeh, Alex

OK
12/05/26

Plant Serial: 00039151

Kaiser Order Number: 618123

Line Item: 005

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

3.00" DIA X 96.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-007

18May12

Signed by: _____

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Robert Clark

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-238749-8		CUSTOMER PART NUMBER: ALRD00114		PRODUCT DESCRIPTION: KAISERSELECT PRECISION ROD 3.000+/- .008	
KAISER ORDER NUMBER: 619057	LINE ITEM: 008	SHIP DATE: 05/01/2012	KAISER LOT NUMBER: Z00067065	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 2194.000 LB	QUANTITY: 22.000 PCS	B/L NUMBER: 603292	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00067065	0001	1	52.8	49.6	15.8	RE 93	N/A	N/A
Z00067065	0001	2	49.3	46.1	18.5	RE 93	N/A	N/A
Z00067065	0002	1	51.7	49.1	16.1	RE 92	N/A	N/A
Z00067065	0002	2	52.9	50.4	17.0	RE 92	N/A	N/A
Z00067065	0002	3	53.3	48.5	13.8	RE 94	N/A	N/A
Z00067065	0002	4	53.3	50.6	15.4	RE 93	N/A	N/A
Z00067065	0003	1	53.5	49.9	17.1	RE 95	N/A	N/A
Z00067065	0003	2	53.3	49.6	16.4	RE 94	N/A	N/A
Z00067065	0003	3	57.4	55.0	14.1	RE 92	N/A	N/A
Z00067065	0003	4	54.4	51.7	13.0	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101481	.75	.35	.27	.10	.94	.10	.07	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-08, STENCILED ASME-SB221 1999 SECT II PER AMS-QQ-A-200/8 UNS# A96061
MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL
PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

Plant Serial: C0041292

Kaiser Order Number: 619057

Line Item: 008

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

3.00" DIA X 96.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-768051-007

18May12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048



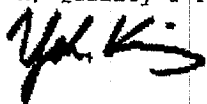
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager



Plant Serial: 00041292

Kaiser Order Number: 619C57

Line Item: C08

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

.0600 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 16995

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.


Certificate of Mill Test Results

BL PEC-768051-008

18May12

Signed by: _____

Pg 1/1

Manufacturer / Fabricante / Herstellerwerk  ThyssenKrupp Stainless USA		Type of document / Tipo de documento / Art der Prüfbescheinigung INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-nr. 0000005480 / Page / Pagina / Seite: 1 / 2							
1 ThyssenKrupp Drive, P.O. Box 13000, Calvert, AL 36513-1300			Customer's order number / N° de Pedido Cliente / Kundenbestell-nr. 80134329 / 004 Manufacturer's order no. / N° de Pedido Manufactura / Werksauftrag-nr. 85187944 / 010 Delivery order no. / N° de Entrega / Lieferungsbe-zug. 85187944 / 010 Product / Producto / Erzeugnis CON/BOBINA/BAND Steel grade and quality / Acero / Stahlsorte und Gütegruppe TYPE 304L/304								
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec. II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec. II Part A Ed.2010			Customer's remarks / N° de material del cliente / Kundenvermerk-Id. 1.42 mm x 1,218.20 mm 0.0650 inch x 48.0000 inch Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge) Inspection procedure / Procedimiento de inspección / Verfahren AOD Finish / Acabado / Ausführung 11c / 2B								
Packing No. / N° de Empaque / Pack-nr.	No. of pieces / Piezas / Stückzahl	Actual weight / Peso actual / Ist-Gewicht	Coil No. / Bobina No. / Band-Nr.	Heat No. / Calent / Schmelz-nr.	Sample N° / N° de muestra / Proben-Nr.						
6013800	1	10,551 lb / 4,785 kg	705872	300181	1000019378						
6013693	1	15,115 lb / 6,858 kg	705314	300000	1000019383						
6013695	1	15,207 lb / 6,898 kg	705906	300212	1000019374						
Sum / Suma / Summe	3	40,873 lb / 18,540 kg									
Heat / Calent / Schmelz	Country of origin / País de origen / Erzeugnis-herkunft	Chemical composition / Composición Química / Chemische Zusammensetzung									
		% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N		
300000	ITA	0.030	0.45	1.77	0.031	0.0010	18.13	8.15	0.058		
300181	ITA	0.025	0.30	1.86	0.027	0.0010	18.04	8.00	0.065		
300212	ITA	0.021	0.43	1.73	0.028	0.0010	18.03	8.02	0.065		
Sample Position / Localización de muestra / Probenlage	TRANSVERSE										
Inspection lot / Lote de inspección / Proben	YS0.2 %	TS	EL A2"	HRB							
	PSI / MPa	PSI / MPa	%								
1000019374	42,349 / 292	94,706 / 653	58.4	82							
1000019375	37,563 / 269	92,966 / 641	60.5	82							
1000019378	41,478 / 288	91,515 / 631	59.9	81							
1000019379	41,044 / 283	91,950 / 634	57.6	82							
1000019383	42,639 / 294	92,966 / 641	57.2	82							
1000019384	42,204 / 291	92,675 / 639	56.8	82							
Dimensional surface / Dimensiones-Superficie / Maße-Oberfläche											
Test of identity (spectum analysis) / Control on identity (spectum específico) / Verwechslungsprüfung (Spektralanalyse)											
OK											
OK											
No weld repairs											
No intentional additions of Mercury compounds were made or used											
Free of radioactive contamination											
Originator of the document / Originador del documento / Aussteller der Bescheinigung ThyssenKrupp Stainless USA, LLC Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt						Alejandro Camilo Phone: +1 251 829 3393 Name of expert / Nombre del experto / Name des Sachverständigen					
						Date of issue and validation / Fecha de emisión y validación / Datum der Ausstellung und Bestätigung 12/21/2011					

THYSSENKRUPP MATERIALS NA

PO/Rel 16995

Certificate of Mill Test Results

STAINLESS STEEL SHEET 304-2B
0300 Nom X 48.000" X 120.000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-768051-009

18 May 12
Pg 1/1

YIEN MAU CORP.

MILL TEST CERTIFICATES

INVOICE NO. : F10M027-1
COMMODITY : PRIME COLD ROLLED STAINLESS STEEL SHEET

SPECIFICATION : AISI 304 ASTM A240/A480 and ASME SA240/SA480
CUSTOMER : OLBERT METAL SALES LIMITED

345, SHUN AN RD, TAI CHU HSIAUNG
TAIPEI 107, TAIWAN R.O.C.
TEL: 8867265 FAX: 88673000
CERTIFICATE NO. F10M027-1
DATE OF ISSUE: 10/08/2010

SIZE	NO.	Weight (N.W.)		Heat No.	ID NO.	Physical Properties						Chemical Composition (%)									
		KGS	LBS			Y.S.	T.S.	E.L.	HB	HA	C	Si	Mn	P	S	Ni	Cr	C	N		
304 2B PL	1	1,628	3,589	YU162005	96561567C-11	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7			
11GA X 48" X 120"	1	1,628	3,589	YU162005	96561567C-12	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7			
16GA X 48" X 96"	1	1,710	3,770	YU162015	96561567B-3	298	624	57	79	152	5.1	46	110	37	3	804	1820	2.7			
16GA X 48" X 120"	1	1,665	3,671	YU162159	96561567A-3	292	617	60	79	151	5	53	127	33	9	805	1812	2.6			
18GA X 48" X 120"	1	1,350	2,970	YU1627404	96561567B-6	295	637	55	85	172	4.6	51	125	36	6	811	1830	2.9			
18GA X 48" X 120"	1	1,334	2,941	YU1627404	96561567B-7	295	637	55	85	172	4.6	51	125	36	6	811	1830	2.9			
20GA X 48" X 96"	1	1,589	3,469	YU1627562	96561567B-1	304	647	54	86	175	4	44	105	31	5	807	1822	3.3			
20GA X 48" X 120"	1	1,583	3,460	YU1627562	96561567B-5	315	672	56	86	176	4.3	48	114	37	1	805	1825	3.4			
20GA X 60" X 120"	1	1,630	3,594	YU161829	96561567B-2221	292	629	54	84	168	5.1	44	108	37	6	809	1818	2.5			
22GA X 48" X 96"	1	1,700	3,748	YU161154	96561567B-2	291	639	55	85	170	4.3	49	122	37	4	806	1807	2.8			
22GA X 48" X 120"	1	1,672	3,642	YU161154	96561567B-3	291	639	55	85	170	4.3	49	122	37	4	806	1807	2.8			
24GA X 48" X 120"	1	1,336	2,945	YU1627156	96561567B-1	281	616	54	86	176	1.6	37	144	34	9	804	1821	3.2			
24GA X 48" X 120"	1	1,336	2,945	YU1627156	96561567B-2	281	616	54	86	176	1.6	37	144	34	9	804	1821	3.2			
304 NO.4 LASER	1	1,336	2,945	YU1627156	96561567B-3	281	616	54	86	176	1.6	37	144	34	9	804	1821	3.2			
11GA X 48" X 96"	1	1,646	3,629	YU162009	96561567B-111	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7			
11GA X 48" X 120"	1	1,631	3,596	YU162009	96561567B-112	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7			
16GA X 48" X 120"	1	1,630	3,594	YU162009	96561567B-113	313	654	53	87	179	4.6	52	119	37	3	806	1804	2.7			
16GA X 48" X 120"	1	1,690	3,726	YU162047	96561567B-111	292	652	56	82	160	4.4	47	119	32	10	804	1817	2.5			
22GA X 48" X 96"	1	1,746	3,849	YU161311	96561567B-12	294	659	53	85	173	4.8	48	113	36	4	802	1822	2.4			
22GA X 48" X 120"	1	1,718	3,788	YU161311	96561567B-13	294	659	53	85	173	4.8	48	113	36	4	802	1822	2.4			
24GA X 48" X 96"	1	1,604	3,536	YU162039	96561567B-15	298	685	55	86	174	4.8	49	122	37	11	804	1820	1.6			
24GA X 48" X 120"	1	1,598	3,523	YU162039	96561567B-14	298	685	55	86	174	4.8	49	122	37	11	804	1820	1.6			
TOTAL:	25	39,380	86,820																		

NO MERCURY CONTAMINATION
WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS
BEEN MADE IN ACCORDANCE WITH THE RULES OF THE MILL CERTIFICATE

Send test report for all Heat NO.

YIEN MAU CORP.

Manager of Quality Assurance Section



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16995.

Purchase Order Date 5/16/12

PO Print Date 5/17/12

Page Number 1 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REUSED

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M2024T3S.050	2024-T3 .050 sheet	5/23/12 Yes	144.00 sf	Yours ppd	\$4.8958	\$705.00
		Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209					
2	M6061T6B0.250X02.000 <i>601</i>	6061-T6 Bar .250 X 2.00	5/23/12 Yes	✓ 12.00 f <i>6/14/12</i>	Yours ppd	\$2.0833	\$25.00
		Special Inst: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221					
3	M6061T6B0.250X06.000 <i>601</i>	6061-T6 Bar .250 x 6.00	5/23/12 Yes	12.00 f <i>6/14/12</i>	Yours ppd	\$3.7000	\$44.40

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr:

2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16995

Purchase Order Date 5/16/12

PO Print Date 5/17/12

Page Number 2 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

M6061T6B0.375X01.000

6061T6 BAR .375 x 1.00

5/23/12

Yes

36.00

Yours ppd

\$0.9333

\$33.60

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

M6061T6B0.500X10.000

6061-T6 Bar .500 x 10.00

5/23/12

Yes

24.00

Yours ppd

\$11.9800

\$287.52

Special Inst:

MATERIAL: 6061-
T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

M6061T6B0.750X00.750

6061-T6 Bar .750 x .750

5/23/12

Yes

24.00

Yours ppd

\$1.4000

\$33.60

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16995

Purchase Order Date 5/16/12

PO Print Date 5/17/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

M6061T6B1.000X04.000

6061-T6 Bar 1.00 x 4.00

5/23/12

12.00

Yours ppd

\$9.4200

\$113.04

Yes

f

Special Inst:

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM
BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

M6061T6S.063

6061-T6 .063 Sheet

5/23/12

480.00

Yours ppd

\$2.4792

\$1,190.00

Yes

sf

Special Inst:

MATERIAL: 6061-T6/T62 ALUMINUM
SHEET
AS PER QQ-A-250/11 OR AMS-QQ-A-
250/11 OR AMS 4025
OR AMS 4027 OR ASTM B209

M304S16GA

304/316 Sheet .063

5/23/12

128.00

Yours ppd

\$4.5141

\$577.80

Yes

sf

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/17/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO16995

Purchase Order Date 5/16/12

PO Print Date 5/17/12

Page Number 4 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

11 M304S22GA

304/316 .032 Sheet

5/23/12

Yes

128.00

sf

Yours ppd

\$3.3242

\$425.50

Special Inst:


MATERIAL: AISI 304/316 SS SHEET
ANNEALED 2B FINISH
AS MIL-S-5059 OR AMS 5513 (304) OR
AMS 5524 (316)
OR ASTM A240 OR ASME SA240

PO Total:

\$3,435.46

Change Nbr: 2

Change Date: 5/17/12


No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable